

INCH-POUND

MIL-DTL-52471/10A  
27 April 1998  
SUPERSEDING  
MIL-H-52471/10  
31 July 1987

## DETAIL SPECIFICATION SHEET

### HOSE ASSEMBLIES, RUBBER, HYDRAULIC PRESSURE-TYPE, TYPE 100R12

This specification is approved for use by all Departments and  
Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this  
specification sheet and MIL-DTL-52471.

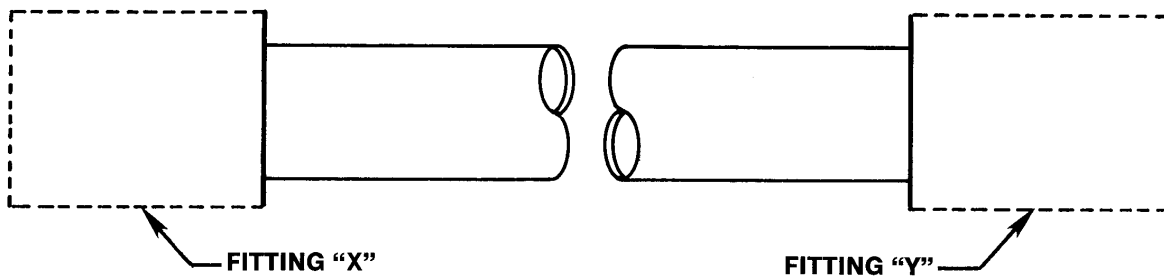


FIGURE 1. Hose assembly, fitting identification.

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TABLE I. 1/2-inch hose assemblies.

| Hose size (inch) | Hose part number | Fitting X (figure 1) |                       | Fitting Y (figure 1) |                       | Assembly code number |
|------------------|------------------|----------------------|-----------------------|----------------------|-----------------------|----------------------|
|                  |                  | part number          | angle reference ( ° ) | part number          | angle reference ( ° ) |                      |
| 1/2              | M52471-10-8      | M52525/31-08-08      | 0                     | M52525/31-08-08      | 0                     | C001                 |
|                  |                  |                      |                       | M52525/32-08-08      | 45                    | C002                 |
|                  |                  |                      |                       | M52525/33-08-08      | 90                    | C003                 |
|                  |                  | M52525/34-08-08      | 0                     | M52525/34-08-08      | 0                     | C007                 |
|                  |                  |                      |                       | M52525/35-08-08      | 45                    | C008                 |
|                  |                  |                      |                       | M52525/36-08-08      | 90                    | C009                 |
|                  |                  | M52525/35-08-08      | 45                    | M52525/35-08-08      | 45                    | C010                 |
|                  |                  |                      |                       | M52525/36-08-08      | 90                    | C011                 |
|                  |                  | M52525/36-08-08      | 90                    | M52525/36-08-08      | 90                    | C012                 |

TABLE II. 3/4-inch hose assemblies.

| Hose size (inch) | Hose part number | Fitting X (figure 1) |                       | Fitting Y (figure 1) |                       | Assembly code number |
|------------------|------------------|----------------------|-----------------------|----------------------|-----------------------|----------------------|
|                  |                  | part number          | angle reference ( ° ) | part number          | angle reference ( ° ) |                      |
| 3/4              | M52471-10-12     | M52525/31-12-12      | 0                     | M52525/31-12-12      | 0                     | C101                 |
|                  |                  |                      |                       | M52525/32-12-12      | 45                    | C102                 |
|                  |                  |                      |                       | M52525/33-12-12      | 90                    | C103                 |
|                  |                  | M52525/34-12-12      | 0                     | M52525/34-12-12      | 0                     | C107                 |
|                  |                  |                      |                       | M52525/35-12-12      | 45                    | C108                 |
|                  |                  |                      |                       | M52525/36-12-12      | 90                    | C109                 |
|                  |                  | M52525/35-12-12      | 45                    | M52525/35-12-12      | 45                    | C110                 |
|                  |                  |                      |                       | M52525/36-12-12      | 90                    | C111                 |
|                  |                  | M52525/36-12-12      | 90                    | M52525/36-12-12      | 90                    | C112                 |
|                  |                  |                      |                       | M52525/36-12-12      | 90                    | C112                 |

TABLE III. 1 inch hose assemblies.

| Hose size (inch) | Hose part number | Fitting X (figure 1) |                       | Fitting Y (figure 1) |                       | Assembly code number |
|------------------|------------------|----------------------|-----------------------|----------------------|-----------------------|----------------------|
|                  |                  | part number          | angle reference ( ° ) | part number          | angle reference ( ° ) |                      |
| 1                | M52471-10-16     | M52525/31-16-16      | 0                     | M52525/31-16-16      | 0                     | C201                 |
|                  |                  |                      |                       | M52525/32-16-16      | 45                    | C202                 |
|                  |                  |                      |                       | M52525/33-16-16      | 90                    | C203                 |
|                  |                  | M52525/34-16-16      | 0                     | M52525/34-16-16      | 0                     | C207                 |
|                  |                  |                      |                       | M52525/35-16-16      | 45                    | C208                 |
|                  |                  |                      |                       | M52525/36-16-16      | 90                    | C209                 |
|                  |                  | M52525/35-16-16      | 45                    | M52525/35-16-16      | 45                    | C210                 |
|                  |                  |                      |                       | M52525/36-16-16      | 90                    | C211                 |
|                  |                  | M52525/36-16-16      | 90                    | M52525/36-16-16      | 90                    | C212                 |

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TABLE IV. Hose operating pressure.

| Hose size (inch) | Dash number | Maximum operating pressure psi | Minimum burst pressure psi |
|------------------|-------------|--------------------------------|----------------------------|
| 1/2              | -8          | 4000                           | 16,000                     |
| 3/4              | -12         | 4000                           | 16,000                     |
| 1                | -16         | 4000                           | 16,000                     |

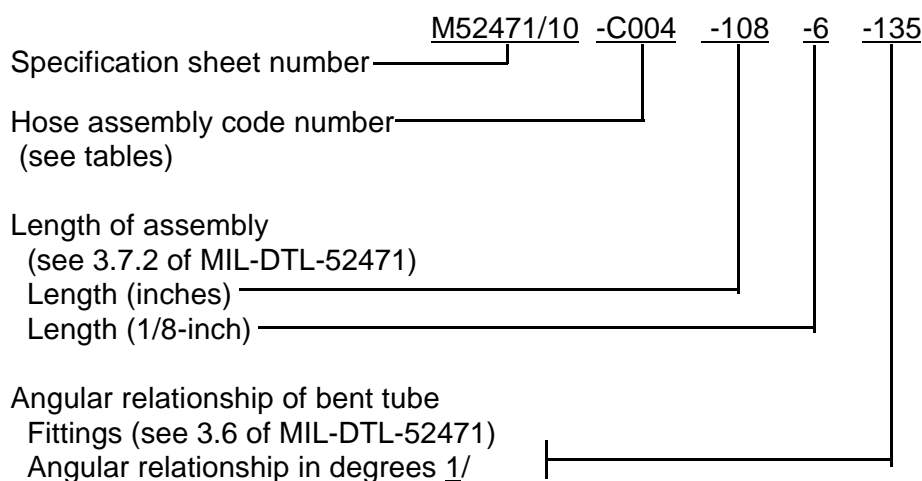
REQUIREMENTS:

1. The hose assemblies shall be in accordance with figure 1 and tables I through IV.
2. Attaching parts for hose assemblies shall conform to MIL-DTL-52525.
3. The fittings and hose for these assemblies must be listed on QPL-52525 and QPL-52471, respectively.

NOTES:

1. Part number: The military part number consists of the specification sheet number, an assigned code number for the hose assembly, hose assembly length, and angular relationship of fittings; when applicable.

Example of a military part number: M52471/10-C004-108-6-135



1/ Not applicable for assemblies with straight fittings.

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## CONCLUDING MATERIAL

Custodian:

Army - AT  
Air Force - 99

Preparing activity:

DLA - CC

(Project 4720-0191-10)

Review activities:

Army - AR, GL  
Air Force - 82